

Patent
Attorney Docket: 816020-100043-US

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Amended) A valve assembly comprising:

a replacement valve having a scalloped inflow annulus, an outflow annulus, and a plurality of leaflets between said scalloped inflow annulus and said outflow annulus; and
a collapsible and expandable anchoring structure;
said anchoring structure being dimensioned to extend longitudinally from an attachment
location near the inflow annulus of a valve sinus to an attachment location within a sinus cavity; and
said anchoring structure further comprising a flared inflow rim, a flared outflow rim, and a
plurality of vertical elements extending from the inflow rim to the outflow rim.

2. (Original) The valve assembly of claim 1, wherein said valve is positioned internally to said anchoring structure.

3. (Amended) The valve assembly of claim 2, wherein said valve ~~comprises an inflow annulus, an outflow annulus and a plurality of~~ has three leaflets.

4. (Cancelled)

5. (Original) The valve assembly of claim 1, wherein said flared inflow rim comprises one or more rings configured in an undulating pattern.

6. (Original) The valve assembly of claim 1, wherein said flared outflow rim comprises diamond and hexagon shaped structures.

7. (Original) The valve assembly of claim 1, wherein said vertical elements are configured to coincide longitudinally with the sinus commissural posts.